

**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Method and System for Mobile Communications, the specification of which:

- ☐ is attached hereto.
- ☒ was filed as International Application No. PCT/IP98/01906 filed on April 24, 1998.
- ☐ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
<u>Hei 9-123782</u>	<u>Japan</u>	<u>24/04/1997</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)	(Filing Date)
<u>PCT/IP98/01906</u>	<u>April 24, 1998</u>

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)	(Filing Date)	(Status-patented, pending, abandoned)
<u>PCT/IP98/01906</u>	<u>April 24, 1998</u>	<u>Pending</u>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's Signature	<u>Motoshi Tamura</u>	Date: <u>Oct. 22, '99</u>
Full name of sole or first inventor	<u>Motoshi Tamura</u>	
Residence	<u>18-2-101, Nobi 4-chome, Yokosuka-shi, Kanagawa 239-0841 Japan JPX</u>	
Citizenship	<u>Japanese</u>	
Post Office Address	<u>18-2-101, Nobi 4-chome, Yokosuka-shi, Kanagawa 239-0841 Japan</u>	

Inventor's Signature

Full name of second joint inventor, if any

Residence

Citizenship

Post Office Address

Mutsumaru Mikei Date: October 7, 1999  
Mutsumaru Mikei  
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Inventor's Signature

Full name of third joint inventor

Residence

Citizenship

Post Office Address

Akiko Okamoto Date: Oct. 18, 1999  
Akiko Okamoto  
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 Japanese  
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Inventor's Signature

Full name of fourth joint inventor

Residence

Citizenship

Post Office Address

Kenya Kusunose Date: October 4, 1998  
Kenya Kusunose  
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Inventor's Signature

Full name of fifth joint inventor

Residence

Citizenship

Post Office Address

Akihiro Uchikoshi Date: Oct. 7, 1999  
Akihiro Uchikoshi  
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 Japanese  
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Inventor's Signature

Full name of sixth joint inventor

Residence

Citizenship

Post Office Address

Daisuke Igarashi Date: Oct. 7, 1999  
Daisuke Igarashi  
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Inventor's Signature

Full name of seventh joint inventor

Residence

Citizenship

Post Office Address

Katsuhiko Yamagata Date: Oct. 4, 1999  
Katsuhiko Yamagata  
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Inventor's Signature

Full name of eighth joint inventor

Residence

Citizenship

Post Office Address

Takaaki Sato Date: Oct. 4, 1999  
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 Japanese  
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Inventor's Signature

Full name of ninth joint inventor

Residence

Citizenship

Post Office Address

Junichiro HAGIWARA Date: Oct. 4, 99  
Junichiro Hagiwara  
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10-00  
Inventor's Signature  
Full name of tenth joint inventor  
Residence  
Citizenship  
Post Office Address

Yasuyuki Watanabe Date: 04/10/99  
Yasuyuki Watanabe  
18-4-603, Nobi 4-chome, Yokosuka-shi, Kanagawa 239-0841 Japan JPX  
Japanese  
18-4-603, Nobi 4-chome, Yokosuka-shi, Kanagawa 239-0841 Japan

11-00  
Inventor's Signature  
Full name of eleventh joint inventor  
Residence  
Citizenship  
Post Office Address

Takuya Hamajima Date: 07/10/99  
Takuya Hamajima  
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Japan

12-00  
Inventor's Signature  
Full name of twelfth joint inventor  
Residence  
Citizenship  
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Masafumi Hata Date: 04/10/99  
Masafumi Hata  
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13-00  
Inventor's Signature  
Full name of thirteenth joint inventor  
Residence  
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Post Office Address

Nobutaka Ishikawa Date: 04/10/99  
Nobutaka Ishikawa  
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Kanagawa 236-0053 Japan JPX  
Japanese  
202, Bell Light Nokendai, 18-11, Nokendai-tori, Kanazawa-ku, Yokohama-shi,  
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14-00  
Inventor's Signature  
Full name of fourteenth joint inventor  
Residence  
Citizenship  
Post Office Address

Yoshiyuki Yasuda Date: Sep. 28 '99  
Yoshiyuki Yasuda  
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15-00  
Inventor's Signature  
Full name of fifteenth joint inventor  
Residence  
Citizenship  
Post Office Address

Kazufumi Yuruki Date: Oct. 21, '99  
Kazufumi Yuruki  
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18-4-304, Nobi 4-chome, Yokosuka-shi, Kanagawa 239-0841 Japan

16-00  
Inventor's Signature  
Full name of sixteenth joint inventor  
Residence  
Citizenship  
Post Office Address

Nobuhide Uchiyama Date: 12/10/99  
Nobuhide Uchiyama  
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Japan JPX  
Japanese  
20-1-201, Yoshimien 9-chome, Saeki-ku, Hiroshima-shi, Hiroshima 731-5132  
Japan

Inventor(s): Motoshi Tamura et al.  
Title: Method and System for Mobile Communications

**POWER OF ATTORNEY**

The specification of the above-identified patent application:

- ☐ is attached hereto.  
☒ was filed as International Application No. PCT/IP98/01906 filed on April 24, 1998.

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

Gustavo Siller, Jr. (32,305)  
Tadashi Horie (40,437)  
Daniel B. Burg (41,649)

Please address all correspondence and telephone calls to Gustavo Siller, Jr. in care of:

Brinks Hofer Gilson & Lione  
P.O. Box 10395  
Chicago, IL 60610  
(312)321-4200

The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from \_\_\_\_\_ as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

NTT Mobile Communications Network, Inc., a Japanese Corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

- ☒ An assignment from the inventor(s) of the patent application identified above, a copy of which is attached hereto.  
OR  
☐ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, frame \_\_\_\_\_.  
OR  
☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:
1. From \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, frame \_\_\_\_\_, or a copy thereof is attached.
  2. From \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, frame \_\_\_\_\_, or a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

The undersigned has reviewed the assignment or all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature: 木下耕太 Date: 25/10/1999  
Name: KOTA KINOSHITA  
Title: Senior Vice President  
Deputy Senior Executive Manager  
Research and Development Plan Department

**ASSIGNMENT**

WHEREAS, Motoshi Tamura, Mutsumaru Miki, Akiko <sup>Okamoto</sup> ~~Nakashima~~, Kenya Kusunose, Akihiro Uchikoshi, Daisuke Igarashi, Katsuhiko Yamagata, Takaaki Sato, Junichiro Hagiwara, Yasuyuki Watanabe, Takuya Hamajima, Masafumi Hata, Nobutaka Ishikawa, Yoshiyuki Yasuda, Kazufumi Yunoki and Nobuhide Uchiyama, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled Method and System for Mobile Communications, executed by Assignors on the same date as this Assignment;

WHEREAS, NTT Mobile Communications Network Inc., a corporation organized and existing under the laws of Japan, having a place of business at 10-1, Toranomon 2-chome, Minato-ku, Tokyo 105-8436 Japan, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent

applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE: Oct. 22, 1999 Motoshi Tamura  
Motoshi Tamura

WITNESSED:

DATE: Oct. 22, 1999 Joshin Fuku

DATE: Oct. 22, 1999 Akitoshi Miyazaki

DATE: Oct. 7, 1999 Mutsumaru Miki  
Mutsumaru Miki

WITNESSED:

DATE: Oct. 7, 1999 Joshin Fuku

DATE: Oct. 7, 1999 Akitoshi Miyazaki

DATE: Oct. 18, 1999 Akiko Okamoto  
Akiko ~~Nakashima~~  
Okamoto

WITNESSED:

DATE: Oct. 18, 1999 Joshin Fuku

DATE: Oct. 18, 1999 Akitoshi Miyazaki

DATE: October 4, 1999

WITNESSED:

Kenya Kusunose  
Kenya Kusunose

DATE: Oct. 4, 1999

DATE: Oct. 4, 1999

Joshie Puh  
Akitoshi Miyazaki

DATE: Oct. 7, 1999

WITNESSED:

Akihiro Uchikoshi  
Akihiro Uchikoshi

DATE: Oct. 7, 1999

DATE: Oct. 7, 1999

Joshie Puh  
Akitoshi Miyazaki

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WITNESSED:

Daisuke Igarashi  
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DATE: Oct. 7, 1999

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Joshie Puh  
Akitoshi Miyazaki

DATE: Oct. 4, 1999

WITNESSED:

Katsuhiko Yamagata  
Katsuhiko Yamagata

DATE: Oct. 4, 1999

DATE: Oct. 4, 1999

Joshie Puh  
Akitoshi Miyazaki

DATE: Oct. 4, 1999

WITNESSED:

Takaaki Sato  
Takaaki Sato

DATE: Oct. 4, 1999

DATE: Oct. 4, 1999

Joshie Puh  
Akitoshi Miyazaki

DATE: 04/10/99

Junichiro HAGIWARA  
Junichiro Hagiwara

WITNESSED:

DATE: Oct. 4, 1999

Joshie Puh

DATE: Oct. 4, 1999

Akitoshi Miyazaki

DATE: 04/10/99

Yasuyuki Watanabe  
Yasuyuki Watanabe

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DATE: Oct. 4, 1999

Joshie Puh

DATE: Oct. 4, 1999

Akitoshi Miyazaki

DATE: 07/10/99

Takuya Hamajima  
Takuya Hamajima

WITNESSED:

DATE: Oct. 7, 1999

Joshie Puh

DATE: Oct. 7, 1999

Akitoshi Miyazaki

DATE: 04/10/99

Masafumi Hata  
Masafumi Hata

WITNESSED:

DATE: Oct. 4, 1999

Joshie Puh

DATE: Oct. 4, 1999

Akitoshi Miyazaki

DATE: 04/10/99

N. Ishikawa  
Nobutaka Ishikawa

WITNESSED:

DATE: Oct. 4, 1999

Joshie Puh

DATE: Oct. 4, 1999

Akitoshi Miyazaki



DATE:

4 Oct, '99

*Yoshiyuki Yasuda*

Yoshiyuki Yasuda

WITNESSED:

DATE:

Oct. 4, 1999

*Yoshiyuki Yasuda*

DATE:

Oct. 4, 1999

*Akitoshi Miyazaki*

DATE:

Oct. 21, '99

*Kazufumi Yunoki*

Kazufumi Yunoki

WITNESSED:

DATE:

Oct. 21, 1999

*Yoshiyuki Yasuda*

DATE:

Oct. 21, 1999

*Akitoshi Miyazaki*

DATE:

12 / 10 / 99

*Nobuhide Uchiyama*

Nobuhide Uchiyama

WITNESSED:

DATE:

Oct. 12, 1999

*Yoshiyuki Yasuda*

DATE:

Oct. 12, 1999

*Akitoshi Miyazaki*